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1: Nature. 1995 Sep 28;377(6547):351-4.

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Facilitation of lin-12-mediated signalling by sel-12, a *Caenorhabditis elegans* S182 Alzheimer's disease gene.

Levitan D, Greenwald I.

Department of Molecular Biology, Princeton University, New Jersey 08544, USA.

The lin-12 and glp-1 genes of *Caenorhabditis elegans* are members of the lin-12/Notch family of receptors for intercellular signals that specify cell fate. By screening for suppressors of a lin-12 gain-of-function mutation, we identified a new gene, sel-12, which appears to function in receiving cells to facilitate signalling mediated by lin-12 and glp-1. The sel-12 gene encodes a protein with multiple transmembrane domains, and is similar to S182, which has been implicated in early-onset familial Alzheimer's disease. The high degree of sequence conservation suggests that the function of the SEL-12 and S182 proteins may also be conserved.

PMID: 7566091 [PubMed - indexed for MEDLINE]

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